

FIG. 1

(PRIOR ART)

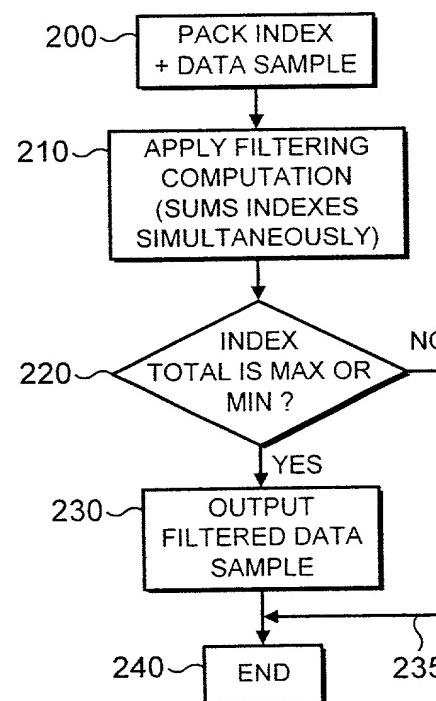


FIG. 2

2 / 6

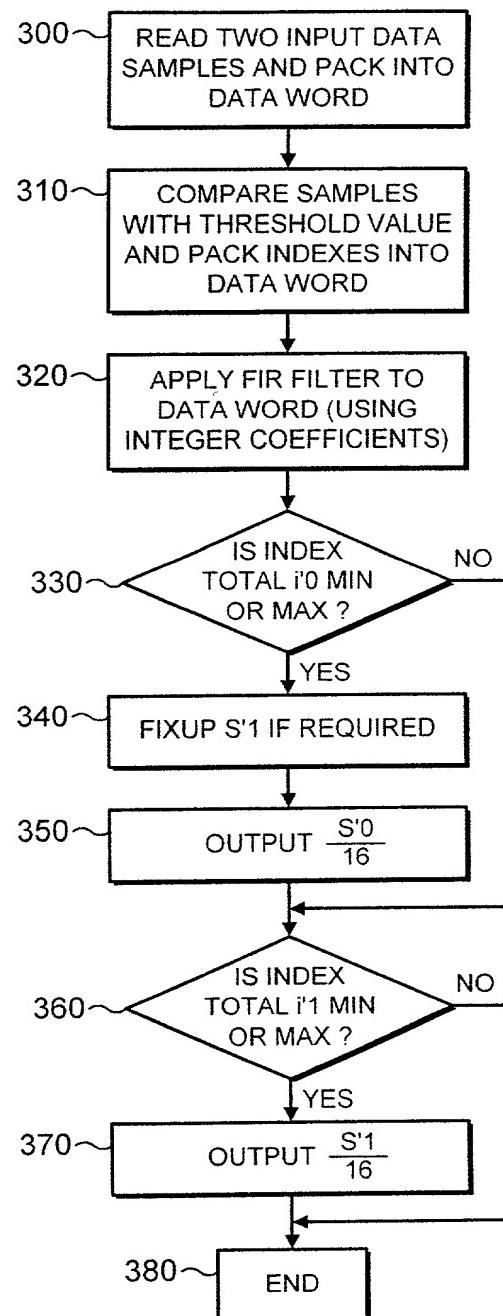


FIG. 3

3 / 6

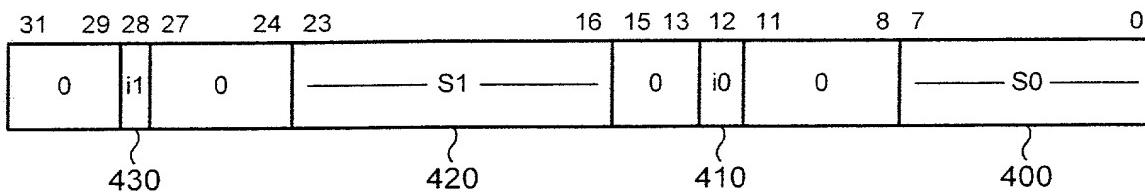


FIG. 4A

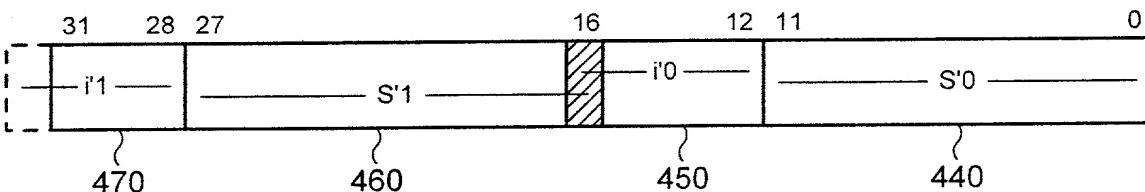


FIG. 4B

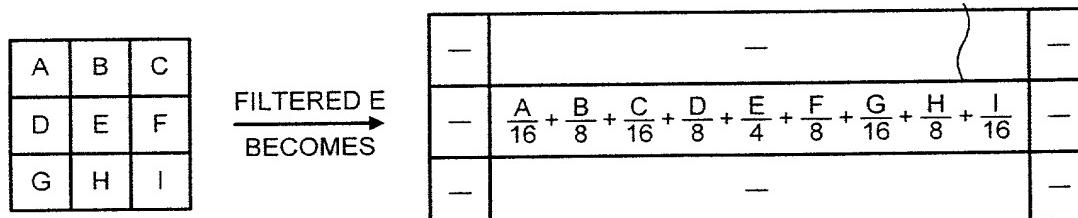


FIG. 5A

$$\begin{array}{|c|c|c|} \hline
 \frac{1}{16} & \frac{1}{8} & \frac{1}{16} \\ \hline
 \frac{1}{8} & \frac{1}{4} & \frac{1}{8} \\ \hline
 \frac{1}{16} & \frac{1}{8} & \frac{1}{16} \\ \hline
 \end{array}
 = \frac{1}{16}
 \quad
 \begin{array}{|c|c|c|} \hline
 1 & 2 & 1 \\ \hline
 2 & 4 & 2 \\ \hline
 1 & 2 & 1 \\ \hline
 \end{array}$$

FIG. 5B

4 / 6

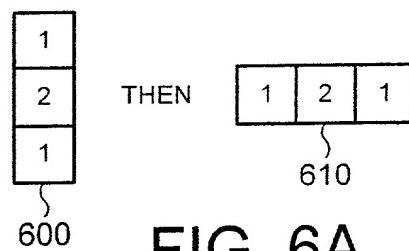


FIG. 6A

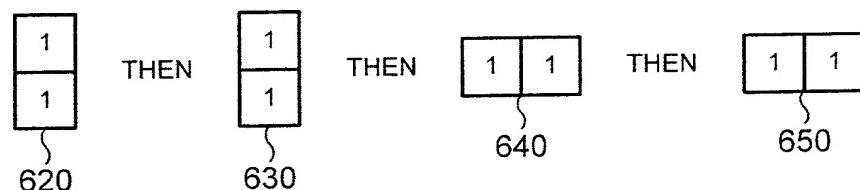


FIG. 6B

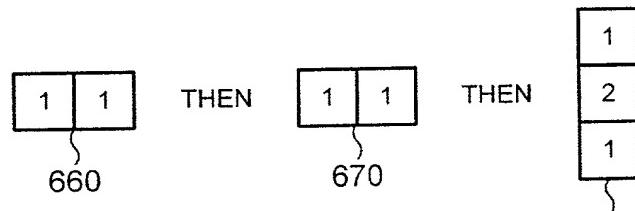


FIG. 6C

i'0 OR i'1
a | b c d e

AND MASK
0 | 1 1 1 1

→
0 | b c d e

IF b d c e = 0

THEN OUTPUT $\frac{S'0}{16}$ OR $\frac{S'1}{16}$ RESPECTIVELY

FIG. 7

5 / 6

EXTRACT $\frac{S'0}{16}$

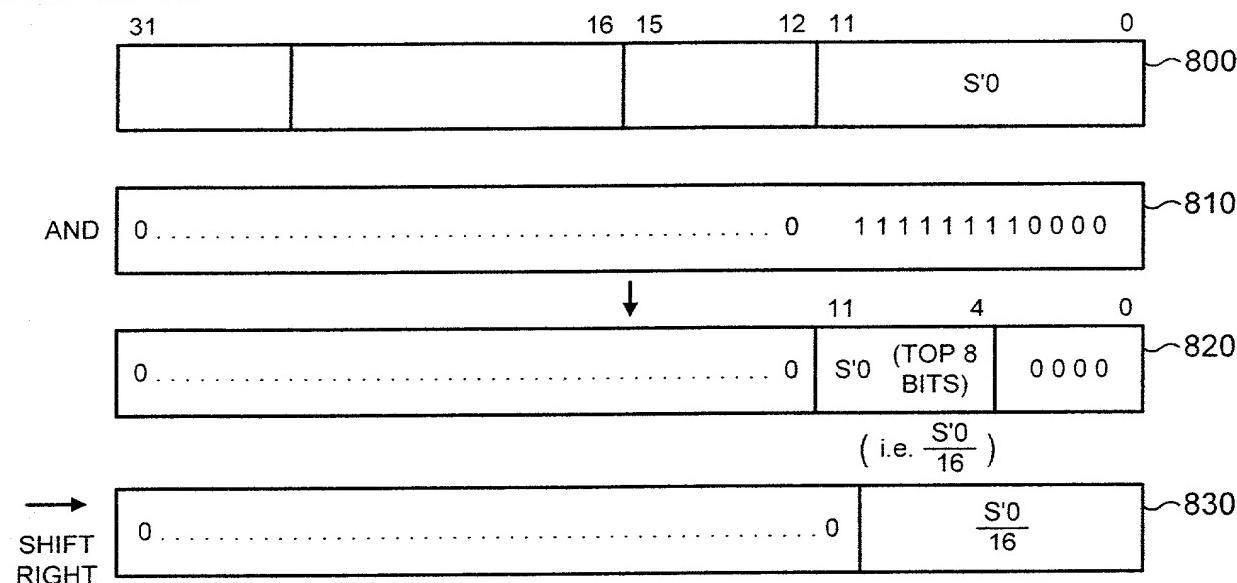


FIG. 8A

EXTRACT $\frac{S'1}{16}$

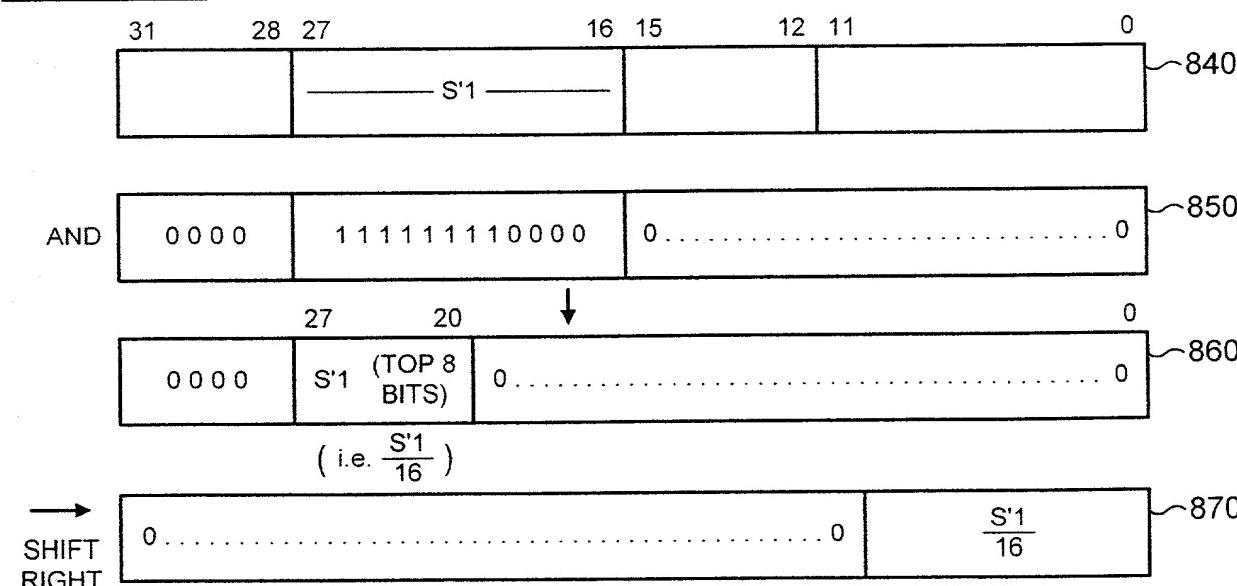


FIG. 8B

6 / 6

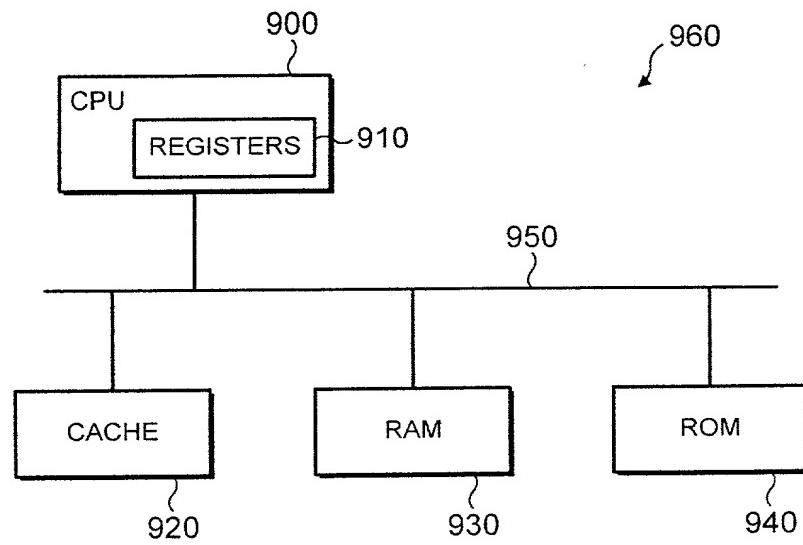


FIG. 9